

<b>Inspection certificate 3.1</b> <b>DIN EN 10204</b> (A02)		No. (A03) Page Date	641074 1/2 08.04.2015
No. (A07) Purchaser (A08)	Plesa Salzgitter Mannesmann International GmbH 40409 Düsseldorf	23.02.2015 No. (A07) Consumer	Plesa Anahuac y Cias., S.A. de C.V. 54940 COL. SAN FRANCISCO CHILPAN MEXIKO
Product (B01)	W-Shapes acc. ASTM A6	Works order No. (A06)	0000408327
Steel grade and terms of delivery (B02-B03)	ASTM A 992-06a ASTM A 992-06a:2007	Dispatch note No. Inspection (A05)	0085511159 07.04.2015 WS

Material data (B01-B09)								
Item	Heat No. (B07)	Quantity (B08)	Cond. of delivery (B04)	Product (B07)	Length (B08-B11)	ft	Weight (B12)	kgs
06	18073	90	AR	W10X30LBS/FT	40'		49.158	
Σ		90	AR: as rolled				49.158	

Dimensional check and visual examination of the surface condition:  
without objection

Ladle analysis (C70-C99)										
Heat No. (B07)	C %	Si %	Mn %	P %	S %	N %	Al %	V %	Nb %	Ti %
18073	≤0,23	≤0,40	0,50 - 1,60	≤0,035	≤0,045	≤0,012		≤0,15	≤0,05	
18073	0,08	0,18	1,29	0,015	0,022	0,011	0,010	0,06	0,00	0,00
Heat No. (B07)	Cu %	Cr %	Ni %	Mo %	Sn %	EV1 1) %	V+Nb %			
18073	≤0,60	≤0,35	≤0,45	≤0,15		≤0,45	≤0,15			
18073	0,30	0,09	0,13	0,02	0,02	0,36	0,06			

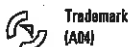
1) EV1: CEV=C+Mn/8+Mo/5+Ni/15+Cr/5+V/5+Cu/15

Steel making: Electric process  
(C70)

Tensile test (C10-C29)										
Heat No. (B07)	Product (C00)	Location (C01)	Direct. (C02)	Type (C10)	Yield point (C11) ReH N/mm <sup>2</sup> 345 - 450	Tensile strength (C12) Rm N/mm <sup>2</sup> 450 - 650	Elongation (C13) 200mm %	ReH/Rm		
18073	W10X30LBS/FT	1) ST	2) L	3) P	445	553	28	0,80		
18073	W10X30LBS/FT	ST	L	P	449	555	29	0,81		

1) ST: Web  
2) L: longitudinal  
3) P: prismatic

We hereby certify that the delivered material complies with the terms of the order.  
(Z01)



Peiner Träger GmbH  
Gerhard-Lucas-Mayer-Str. 10  
D-31226 Peine  
(A01)

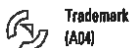
Inspection Representative  
(Z02)

Link

<b>Inspection certificate 3.1</b>		<b>No. (A03)</b>	<b>641074</b>
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<b>(A02)</b>		<b>Date</b>	<b>08.04.2015</b>
<b>No. (A07)</b>	<b>Plesa</b>	<b>23.02.2015</b>	<b>No. (A07)</b>
<b>Purchaser</b>	<b>Salzgitter Mannesmann</b>	<b>Consumer</b>	<b>Plesa Anahuac y Cias., S.A. de C.V.</b>
<b>(A08)</b>	<b>International GmbH</b>		<b>54940 COL. SAN FRANCISCO CHILPAN</b>
	<b>40409 Düsseldorf</b>		<b>MEXIKO</b>
<b>Product</b>	<b>W-Shapes acc. ASTM A6</b>	<b>Works order No.</b>	<b>0000408327</b>
<b>(B01)</b>		<b>(A08)</b>	
<b>Steel grade and terms of delivery</b>	<b>ASTM A 992-06a</b>	<b>Dispatch note No.</b>	<b>0085511159</b>
<b>(B02-B03)</b>	<b>ASTM A 992-06a:2007</b>		<b>07.04.2015</b>
		<b>Inspection</b>	<b>WS</b>
		<b>(A05)</b>	

Fully killed steel produced by  
an electric arc furnace

We hereby certify that the delivered material complies with the terms of the order.  
(Z01)



**Peiner Träger GmbH**  
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D-31226 Peine  
(A01)

**Inspection Representative**  
(Z02)

**Link**